Tutorial #3 (for week 6)
(Feb 13, 2004)

11th February 2004

The following questions will be considered during the tutorial sessions on Friday. I am expecting small-code-size answers to the questions, and you should be prepared to demonstrate your programs on the PC in the tutorial.

Q1: Write a small Tcl/Tk student-data-entry application which is a *form* for entering name, matriculation number and one of 10 (fixed) courses, selected using a suitable widget. Your application should have a submit button, which will append the information in a suitable format to a file[1], and then allow you to enter the next record and so on.

Q2: *Formally* specify your file format for question Q2 above.

Q3: Write another small Tcl/Tk application which will read in files from your student-data-entry application, allow you to (repeatedly) select a particular course, and then display the students on that particular course.

Q4: Write a small Tcl/Tk program using a *canvas* that will put a new circle on the canvas when you click the right mouse button, and that each circle can be grabbed and dragged around using the left mouse button.

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[1]Note that you might want to consider the use of an active file - Instead of putting lines like
"Name","Add1,Add2,Add3",cs3213
you might instead use lines like
set info($current) {{Name} {{Add1} {Add2} {Add3}} {cs3213}
which could then be sourced.